•	Application No.	Applicant(s)
Notice of Allowahility	09/879,197	KOMODA ET AL.
Notice of Allowability	Examiner	Art Unit
	Fred Ferris	2128
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS) CLOSED in 5) or other appropriate comm RIGHTS. This application is	n this application. If not included unication will be mailed in due course. THIS
1. X This communication is responsive to 12 June 2006.		
2. \boxtimes The allowed claim(s) is/are <u>1-3,5 and 6</u> .		
3. $igotimes$ The drawings filed on <u>13 June 2001</u> are accepted by the	Examiner.	
4. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents ha 2. Certified copies of the priority documents ha 3. Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be substituted in INFORMAL PATENT APPLICATION (PTO-152) which generated by the Notice of Draftspering including changes required by the Notice of Draftspering including changes required by the attached Examined Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in the department of the proper No. INFORMATION about the department of the priority document	eve been received. Ive been received in Application documents have been received. E" of this communication to file IMENT of this application. In mitted. Note the attached EX ives reason(s) why the oath of the submitted. Erson's Patent Drawing Reviewer's Amendment / Comment of the header according to 37 Classic of BIOLOGICAL MAT	on No In this national stage application from the sea reply complying with the requirements. AMINER'S AMENDMENT or NOTICE OF redeclaration is deficient. W (PTO-948) attached In the Office action of the drawings in the front (not the back) of FR 1.121(d). ERIAL must be submitted. Note the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SE Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview S Paper No. 8/08), 7. Examiner's	ummary (PTO-413), //Mail Date Amendment/Comment Statement of Reasons for Allowance The factor of th

DETAILED ACTION

1. Claims 1-3, 5, and 6 are currently pending in this application and have been presented for examination based on applicant's amendment filed 12 June 2006. Claims 1-3, 5, and 6 have now been allowed over the prior art of record.

Response to Arguments

2. Applicant's arguments filed 12 June 2006 have been fully considered and are persuasive.

Regarding applicant's response the 103(a) rejections: The examiner previously withdrew the 103(a) rejection in view of applicant's amendment to the claims and arguments submitted 15 December 2005.

Regarding applicant's response the 101 rejections: The examiner now withdraws the 101 rejection in view of applicant's amendment to the claims filed 12 June 2006.

Allowable Subject Matter

3. Claims 1-3, 5, and 6 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art of record teaches certain elements of the claimed invention relating to a delay library specifying a model of Ids-Vds for a given gate potential with functional slew rate information specifying a fixed delay and modeling a MOS transistor as a fixed resistive element and power source that varies as time as noted in prior office actions. However, the prior art of record does not explicitly disclose the sequence of method

steps which further include modeling the MOS transistor by determining an operating current characteristic of the MOS transistor modeled and further segmenting the operating current characteristic based upon the delay library into a first region in which a current increases as a gate potential varies, a second region corresponding to a saturation region of the MOS transistor in which region the current gradually decreases as the gate potential remains constant, and a third region corresponding to a linearity region of the MOS transistor in which region the current decreases as the gate potential remains constant and subsequently estimating the delay time of the MQS transistor and output, as now recited in independent claim 1. (See: specification page 15, line 15 to page 18, line 25, for example) Dependent claims 2, 3, 5, and 6 and deemed allowable as depending directly or indirectly from independent claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fred Ferris whose telephone number is 571-272-3778 and whose normal working hours are 8:30am to 5:00pm Monday to Friday. Any inquiry of a general nature relating to the status of this application should be directed to the group receptionist whose telephone number is 571-272-3700. If attempts to reach the

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examiner by telephone are unsuccessful, the examiner's supervisor, Kamini Shah can

be reached at 571-272-. The Official Fax Number is: (703) 872-9306

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Fred Ferris

Primary Examiner